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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 2

Complete if Known

Application Number	10/678,204
Filing Date	October 3, 2003
First Named Inventor	Debangshu Banerjee
Art Unit	1775-1742
Examiner Name	N. Ma
Attorney Docket Number	KG-2050

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
N. Ma		US- 3,379,503	04/23/1968	McKenna	
		US- 3,746,456	07/17/1973	Hill	
		US- 4,308,059	12/29/1981	Rymas	
		US- 4,574,011	03/04/1986	Bonjour et al.	
		US- 4,834,963	05/30/1989	Terry et al.	
		US- 5,603,075	02/11/1997	Stoll et al.	
		US- 5,658,678	08/19/1997	Stoll et al.	
		US- 5,802,955	09/08/1998	Stoll et al.	
		US- 5,806,934	09/15/1998	Massa et al.	
		US- 6,024,776	02/15/2000	Heinrich et al.	
		US- 6,173,798 B1	01/16/2001	Bryant et al.	
		US- 6,372,012	04/16/2002	Majagi et al.	
		US- 6,506,226 B1	01/14/2003	Chen et al.	
		US- 6,514,456 B1	02/04/2003	Lackner et al.	
		US- 6,521,353 B1	02/18/2003	Majagi et al.	
		US- 6,537,343 B2	03/25/2003	Majagi et al.	
		US- 6,554,548 B1	04/29/2003	Grab et al.	
		US- 6,575,671 B1	06/10/2003	North et al.	
N. Ma		US- 6,612,787 B1	09/02/2003	North et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Country Code* Number* Kind Code* (if known)				
N. Ma		UK 1,082,568	09/06/67	Philips Electronic		
N. Ma		UK 1 309 634	03/14/73	JACKSON		

Examiner
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Date
Considered

1/26/05

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				Attorney Docket Number	KG-2050

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
n. Ma.		SANTHANAM et al., "Cemented Carbides", Metals Handbook, Vol. 16, 9th Ed. (1989) pp. 71-89	
		LAMMLE et al., "Hardmetal in the Toolmaking Industry is a Question of Confidence", Plansee TIZIT AG A-6600 Reutte/Tirol Edition 4, (1/2000) pp. 8	
		Kennametal Lab Report R4977 Rev. #1 October 2003, (Plansee Grade CFH40S) (May 2002)	
n. Ma.		Kennametal Lab Report K4978 Rev. #1 October 2003, (Plansee Grade H40S) (May 2002)	

Examiner Signature	n. Ma.	Date Considered	1/26/05
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